

AIR300 RFID Reader – The mobile Windows Solution

The RFID reader AIR300 is an integrated RFID reader head for the generation 2 to 4 of the mobile computer WORKABOUT PRO by PSION and MOTOROLA. The reader combines the reading of ISO 11784/11785 transponders with the flexibility and mobility of a ruggedized portable computer based on Windows CE and Windows Mobile with

optional Wi-Fi, GPRS, GPS and Barcode. In addition the AIR300 can R/W transponders compatible to ISO14223.

Due to the convenient one-hand operation it is the ideal solution for all applications that require many data like at breeding, dairy operation, transport or veterinarian services.



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Advantages of AIR300

- Designed to easily fit into the WORKABOUT PRO Handheld Computer Generation 2 to 4 from PSION and MOTOROLA.
- Fully compliant to ISO Standards 11784/11785 and the new advanced Transponders according to ISO14223
- Offers convenient data collection with flexibility and mobility of a rugged portable computer. Light weight guarantees highest operating comfort.
- Comprises a S/W configurable interface to the WORKABOUT PRO
- The configurable interface enables the use of transponder data in Windows CE or Windows Mobile application.
- A Software Development Kit (SDK) for the Microsoft Compact Framework v2.0 is available. The Keyboard-Wedge software allows simple integration into existing programs.
- Wide variety of accessories provided by PSION, MOTOROLA and AGRIDENT allows the combination of RFID with different features, i.e. Barcode, WIFI, ext. antenna, etc.
- Co-existence with WWAN (GSM/UMTS) and GPS (with WAPro generation 4 only)

- Built-in Push-Pull connector allows use and easy plug-in of an external antenna (AEA series). This makes true distance reading possible.

Picture:
WAPRO with AIR300
and AEA580



Technical Data of AIR300

Frequency	134.2 kHz
Transponder types	HDX and FDX-B compliant to ISO 11784/5
Read range	Internal Antenna (typical values) 24 cm with HDX transponders (30 mm Ø) 20 cm with FDX-B transponders (30 mm Ø) External Antenna (typical values) 26 cm with HDX transponders (30 mm Ø) 22 cm with FDX-B transponders (30 mm Ø)
Read cycles	min. 2000 cycles based on battery power provided by WAPro
Interfaces	Internal USB connector Plug for external antenna
Power supply	Powered via WORKABOUT PRO's internal power supply
Protection Class	IP65
Operating Temp.	-20 to +60°C, -4 to +140° Fahrenheit
Storage Temp.	-30 to +80°C, -22 to +176° Fahrenheit
Dimensions	L x W x H: 126 x 98 x 36 mm (AIR300 only) Dimension of WORKABOUT PRO depends on WAPro model and Accessories used
Weight	Approx. 120 g (AIR300 only) Approx. 620 g with WAPro-G4 Short
Approvals	ICAR Conformance Test concerning ISO24631-2, CE, FCC, IC

Accessories for AIR300

- **AEA580** External stick Antenna